Acta Neurochirurgica

Official Organ of the European Association of Neurosurgical Societies

Volume 105, 1990

ISSN 0001-6268

Chairman
of the Editorial Board
F. Loew, Homburg/Saar

Editorial Board

K. Clark, Dallas
F. Cohadon, Bordeaux
V. V. Dolenc, Ljubljana
M. Fukui, Fukuoka
H. Handa, Hamamatsu City
H.-D. Herrmann, Hamburg
J. T. Hoff, Ann Arbor, Michigan
F. Isamat, Barcelona
H. Kikuchi, Kyoto
A. Konovalov, Moscow
H. Nornes, Oslo
B. Pertuiset, Paris
H.-J. Reulen, Bern
G. F. Rossi, Roma
M. Sindou, Lyon
K. Sugita, Matsumoto
L. Symon, London
K. Takakura, Tokyo
J. M. Tew, jr., Cincinnati, Ohio
H. Verbiest, Utrecht
R. H. Wilkins, Durham, North Carolina

L. Calliauw, Gent
(Editor for E.A.N.S.-Affairs)

Language editing:
H. H. Gossman, Plymouth

Advisory Board

C. Arseni, Bucureşti
E.-O. Backlund, Bergen
S. E. Børgesen, Glostrup
M. Brock, Berlin
R. Fahlbusch, Erlangen
S. Ishii, Tokyo
K. Jellinger, Wien
Ed. Kandel, Moscow
W. Koos, Wien
Chr. B. Ostertag, Homburg/Saar
K. Sano, Tokyo

Ex officio the members of the
Administrative Council of the E.A.N.S.:
E. Pásztor, Budapest, President
F. Isamat, Barcelona, Past-President
A. Bricolo, Verona, Vice-President
M. Brock, Berlin, Vice-President
F. Gjerris, Copenhagen, Vice-President
A. Konovalov, Moscow, Vice-President
G. Lang, Greifswald, Vice-President
L. Calliauw, Gent, Secretary
C. Lapras, Lyon, Asst. Secretary
H.-D. Herrmann, Hamburg, Treasurer
R. Braakman, Rotterdam, Asst. Treasurer
A. Crockard, London, Asst. Editor
A. Rocha Melo, Porto, Historian

Springer-Verlag Wien New York

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions including microform is transferred to the publisher

© 1990 by Springer-Verlag/Wien

Author-Index

Araby, K., vide Jamjoon, Z. A. B. 140
Aaaslid, R., vide Nornes, H. 89
Auer, L. M., vide Velthoven, V. van 5
Bakke, S. J., vide Nornes, H. 89
Batorski, L., vide Czosnyka, M. 112
Berney, J., Eleven European Lecture, Dresden, February 24, 1990. L'Art et la Manière. A French Title for a European Lecture 1
Bhavilai, R., The Abhidhamma View of Consciousness 69
– The Buddhist World-View and the Scientic World-View: A Comparative Analysis 75
Bidziński, J., Koszewski, W., The Value of Different Methods of Treatment of Brain Abscess in the CT Era 117
Bolander, H. G., A New Method for Long-term Lumbar Pressure Monitoring with a Fiber Optic Catheter 135
Bordi, L., vide Faillot, T. 44
Boström, S., Kourtopoulos, H., Nilsson, I., Reconstruction of Craniotomy Burr-Holes with Autologous Bone Blugs Made by a New Hole-Saw 132
Boukobza, M., vide Faillot, T. 44
Brault, J.-L., vide Faillot, T. 44
Brihaye, J., Philosophical and Ethical Problems Regarding Life and Death 58
– Walker, A. E., Brain Death 78
Canavero, S., vide Pagni, C. A. 147
Capelle, L., vide Faillot, T. 44
Cedzich, C., Schramm, J., Wenzel, D., Reversible Visual Loss After Shunt Malfunction 121
Czosnyka, M., Batorski, L., Laniewski, P., Maksymowicz, W., Koszewski, W., Zaworski, W., A Computer System for the Identification of the Cerebrospinal Compensatory Model 112
Faillot, T., Sichez, J.-P., Brault, J.-L., Capelle, L., Kujas, M., Bordi, L., Boukobza, M., Lhermitte-Duclos Disease (Dysplastic Gangliocytoma of the Cerebellum). Report of a Case and Review of the Literature 44
Faulhauer, K., vide Siebner, H. R. 124
Gil-Salú, J. L., Gonzaález-Darder, J. M., Study of Nerve Regeneration in Centro-central Anastomosis 39
González-Darder, J. M., vide Gil-Salú, J. L. 39
Handa, J., vide Matsuda, M. 98
Hein, P. M., Schulz, E., Contrecoup Fractures of the Anterior Cranial Fossae as a Consequence of Blunt Force Caused by a Fall 24
Hossmann, K.-A., vide Szymas, J. 169
Jamjoom, Z. A. B., Malabarey, T., Kolawole, T. M., Araby, K., Lumbosacral Dural Anomalies in Von Recklinghausen Neurofibromatosis 140
Kiwit, J. C. W., vide Tajika, Y. 50
Kolawole, T. M., vide Jamjoom, Z. A. B. 140
Koszewski, W., vide Bidziński, J. 117
– vide Czosnyka, M. 112
Kourtopoulos, H., vide Boström, S. 132
Kujas, M., vide Faillot, T. 44
Laniewski, P., vide Czosnyka, M. 112
Lazareff, J. A., Valencia Mayoral, P. F., Histological Differences Between Rootlets Sectioned During Selective Posterior Rhizotomy by Two Surgical Techniques 35
Lindegaard, K.-F., vide Nornes, H. 89
Loew, F., Academia Eurasiana Neurochirurgica: Philosophical and Ethical Problems Regarding Life and Death; Concepts of Consciousness 57
Madsen, F. F., Regional Cerebral Blood Flow After a Localized Cerebral Contusion in Pigs 150
Maksymowicz, W., vide Czosnyka, M. 112
Malabarey, T., vide Jamjoom, Z. A. B., 140
Matsuda, M., Shiino, A., Handa, J., Sequential Changes of Cerebral Blood Flow After Aneurysmal Subarachnoid Haemorrhage 98
Miller, J. D., vide Whittle, I. R. 158
Nakamura, N., vide Ogawa, A. 107
Nakstad, P., vide Nornes, H. 89
Nilsson, I., vide Boström, S. 132
Nornes, H., Sortebe:g, W., Nakstad, P., Bakke, S. J., Aaslid, R., Lindegaard, K.-F., Haemodynamic Aspects of Clinical Cerebral Angiography. Concurrent Two Vessel Monitoring Using Transcranial Doppler Ultrasound 89
Ogawa, A., Nakamura, N., Yoshimoto, T., Suzuki, J., Cerebral Blood Flow in Moyamoya Disease. Part 2: Autoregulation and CO_2 Response 107
– – Yoshimoto, T., Suzuki, J., Sakurai, Y., Cerebral Blood Flow in Moyamoya Disease. Part 1: Correlation with Age and Regional Distribution 30
Pagni, C. A., Canavero, S., Vinci, V., Left Trochlear Nerve Palsy, Unique Symptom of an Arachnoid Cyst of the Quadrigeminal Plate. Case Report 147
Ramamurthi, B., Concepts of Consciousness 65
Reifenberger, G., vide Tajika, Y. 50
Sakurai, Y., vide Ogawa, A. 30
Schramm, J., vide Cedzich, C. 121
Schulz, E., vide Hein, P. M. 24
Shiino, A., vide Matsuda, M. 98
Sichez, J.-P., vide Faillot, T. 44
Siebner, H. R., Faulhauer, K., Frequency and Specific Surgical Management of Far Lateral Lumbar Disc Herniations 124
Sorteberg, W., vide Nornes, H. 89
Suzuki, J., vide Ogawa, A. 30
– vide Ogawa, A. 107
Szymas, J., Hossmann, K.-A., Determination of Endogenous Serum Proteins in Normal and Oedematous Brain Tissue of Cat by Rocket and Crossed Immunoelectrophoresis 169
Tajika, Y., Reifenberger, G., Kiwit, J. C. W., Wechsler, W., Metastatic Adenocarcinoma in Cerebral Astrocytoma: Clinicopathological and Immunohistochemical Study with Review of the Literature 50
Tew, Jr., J. M., vide Weil, S. M. 14
Valencia Mayoral, P. F., vide Lazareff, J. A. 35
Velthoven, V. van, Auer, L. M., Practical Application of Intraoperative Ultrasound Imaging 5
Vinci, V., vide Pagni, C. A. 147
Walker, A. E., vide Brihaye, J. 78
Wechsler, W., vide Tajika, Y. 50
Weil, S. M., Tew, Jr., J. M., Surgical Management of Brain Stem Vascular Malformations 14
Wenzel, D., vide Cedzich, C. 121
Whittle, I. R., Miller, J. D., A Rodent Model of Infusion Brain Edema: Methodology and Pathophysiological Effects of Saline and Protein Infusions 158
Yoshimoto, T., vide Ogawa, A. 30
– vide Ogawa, A. 107
Zaworski, W., vide Czosnyka, M. 112

Index of Keywords

Age affect 98
Amaurosis 121
Animal model 150
Arachnoid cyst 147
Autoregulation CO_2 response 107

Blood flow velocity 89
Bone plugs 132
Brain abscess 117
Brain edema 158
Brain oedema 169
Brain stem 14
Brain tissue hydraulic resistance 158

Carcinoma 50
Cat 169
Cavernous angioma 14
Centrocentral anastomosis 39
Cerebellum 44
Cerebral angiography 89
Cerebral arteries 89
Cerebral blood flow 30, 98, 107, 158
Cerebral contusion 150
Cerebral vasospasm 98
Cerebrospinal compensatory model 112
Complications 121
Computer system 112
Contrecoup fractures 24
CO_2 reactivity 150
Craniocerebral trauma 24
CSF formation rate 112
CSF infusion test 112
CSF pressure 135
CSF resorption resistance 112

De Martell drill 132
Dural ectasia 140

Epilepsy 117
External exposure 124

Fall 24
Far lateral lumbar disc herniation 124
Fiberoptic pressure monitor 135
Fourth cranial nerve palsy 147

Gangliocytoma 44
Glioma 50

Harmatoma 44
Histology of rootlets 35
Hole-saw 132
Hydrocephalus 121, 135

Immunoelectrophoresis 169
Immunohistochemistry 50
Internal carotid artery occlusion 30
Intracranial hypertension 121
Intercranial pressure 112, 158
Intraoperative ultrasound imaging 5
Iohexol 89

Lhermitte-Duclos disease 44
Lumbosacral spine 140

Management 117
Meningocoeles 140
Metastasis 50
Micropheres 150
Monitoring 135
Moyamoya disease 30, 107
MRI 44

Nerve growth factors 39
Neurofibromatosis 140
Normal saline 89

Peripheral nerve regeneration 39
Pigs 150
Pressure-volume index 112

Quadrigeminal plate 147

Rat 39
Von Recklinghausen disease 140
Regional cerebral blood flow 150
Results 117
Reversible visual loss 121

Sciatic nerve 39
Selective posterior rhizotomy 35
Serum proteins 169
Shunt treatment 121
Silicone chambers technique 39
Somatosensory evoked potential 158
Spasticity 35
Subarachnoid haemorrhage 98

Tissel® 132

Ultrasound-guided stereotaxy 5

Vascular malformation 14